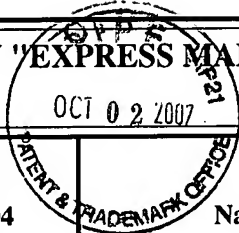


10-03-07

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Applicant(s): <b>Dean, et al.</b>				
Application No. <b>10/807,866</b>	Filing Date <b>23 March 2004</b>	Examiner <b>Nasser Ahmad</b>	Customer No. <b>021897</b>	Group Art Unit <b>1772</b>



Invention:

**New and Improved Retail Merchandising Strip and Method for Making Same**


I hereby certify that the following correspondence:

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**(General - Patent Pending)**

Docket No.  
**Tru-Vision-002**

In Re Application of  
**Dean, et al.**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/807,866	23 March 2004	Nasser Ahmad	021897	1772	5509

Title:

**New and Improved Retail Merchandising Strip and Method for Making Same**

COMMISSIONER FOR PATENTS:

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**Supplemental Appeal Brief to Board of Patent Appeals and Interferences Under 37 CFR 41.37.**

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Dated: **OCT. 2, 2007**

*Signature*

William E. Johnson, Jr.  
Reg. No. 22,719  
The Matthews Firm (Customer No. 021897)  
2000 Bering Drive, Suite 700  
Houston, Texas 77057  
US  
713-355-4200 Telephone  
713-355-9689 Facsimile

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ATTORNEY DOCKET NO.: TRU-VISION-002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:	§	
TED DEAN, ET AL.	§	EXAMINER: NASSER AHMAD
	§	
APPLICATION NO.: 10/807,866	§	
	§	ART UNIT: 1772
FILED: 23 MARCH 2004	§	
	§	
FOR: "New and Improved Retail	§	
Merchandising Strip and Method	§	
for Making Same"	§	

**LETTER**

Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

This Supplemental Brief is filed in response to the Notification of Non-Compliant Appeal Brief, having a mailing date of 07 September 2007.

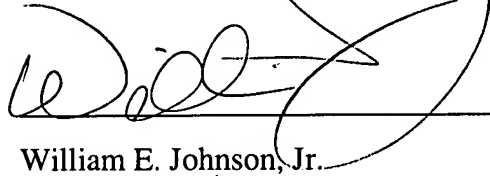
This Supplemental Brief is believed to contain all of the required items identified in paragraph 4 of the Notification.

Counsel for the Appellant is of the opinion that no additional fee is due or payable for this Supplemental Brief. However, should there be such a fee, the Commissioner is authorized to charge applicants' deposit account number 13-2166.

Oct. 2, 2007

Date

Respectfully submitted,



---

William E. Johnson, Jr.

Reg. No. 22,719

MATTHEWS, LAWSON, & BOWICK, PLLC

(Customer No. 021897)

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ATTORNEY DOCKET No.: TRU-VISION-002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:  
TED DEAN, ET AL.

APPLICATION No.: 10/807,866

FILED: 23 MARCH 2004

FOR: *"New and Improved Retail  
Merchandising Strip and Method  
for Making Same"*

**§ §**

EXAMINER: NASSER AHMAD

ART UNIT: 1772

**SUPPLEMENTAL BRIEF TO BOARD OF PATENT APPEALS**  
**AND INTERFERENCES UNDER 37 CFR 41.37**

**Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450**

Dear Sir:

The Notice of Appeal in the above identified application to the Board was filed June 14, 2007, appealing the Final Rejection of Claims 1, 2, and 4-13, dated January 19, 2007. The following information and arguments are believed to track the requirements of 37 CFR 41.37 (c).

### **1. Real Party In Interest**

The real parties in interest are the named inventors, Ted M. Dean, residing at 309 West Alamo Street, Brenham, Texas 77833, and William R. Fuller, residing at Route 1, 180B, Somerville,

Texas 77879.

## **2. Related Appeals and Interferences**

None.

## **3. Status of Claims**

The following set of Claims 1, 2, and 4-13 were all finally rejected under 35 USC 112 and are currently on appeal.

1. (Rejected)
2. (Rejected)
- 4-13. (Rejected)

## **4. Status of the Amendments**

Claims 1, 2, and 4-13 were each amended on October 30, 2006 to call for a coating of the first side of a merchandising strip, covering the entire surface of said first side. The claims each already called for the second side to be uncoated. The Examiner has taken the position that the expression “covering the entire surface” (of the first side) has no support in the specification.

## **5. Summary of Claimed Subject Matter of Independent Claim 1**

Claims 1, 2, and 4-13 have no elements directed to means plus function or step plus function contemplated under 35 U.S.C. 112.

### **Claim 1**

Claim 1, the only independent claim involved in this appeal, calls for a merchandising strip 10 (described on page 5, lines 10-22 of specification). The strip 20 of FIG. 2 is an expanded view of strip 10 (page 6, lines 1-8 of specification).

Claim 1 also calls for the strip (10, 20) to have a given width (FIG. 1, FIG. 2 and page 5, lines 10, 11 of the specification), and as well calls for a plurality of adhesive elements (12, 14, of FIG. 1; 24, 26, 28 and 36 of FIG. 2; 50, 62 of FIG. 4) aligned along a longitudinal axis (illustrated in FIG.'s 1, 2, 4, 6(b) and 6(c)). The specification on page 6, lines 17-19 discloses that the six (6) cutters on the rollers 44 and 46 are each aligned on a line perpendicular to the longitudinal axis of the liner paper, thus resulting in the adhesive elements (60, 72) being aligned with the respective longitudinal axis of the six (6) individual plastic strips illustrated in FIG. 4, and described on page 10, lines 5-9 of the specification.

Claim 1 also calls for the plastic strip (10, 20) to have a first coated side and a second uncoated side. The process for manufacturing the strips (10, 20) having a first coated side and a second uncoated side commences with a roll 80 of clear plastic having the release coating on one side and being uncoated on its second side. The adhesive elements are laminated to the uncoated side (the uncoated side is not numbered, but is the side illustrated in FIG.'s 1 and 2, having the adhesive elements 12, 14, (FIG. 1) and the adhesive elements 22, 24, 26, 28 and 36 (FIG. 2) laminated thereto. The process for manufacturing the strips (10, 20) having the adhesive elements laminated to the uncoated side is described in depth on page 9, line 16 through page 10, lines 1-14.

This process results in a merchandising strip for displaying a plurality of discrete packages (potato chips, etc.), wherein the strip has a first coated side, and a second uncoated side. The uncoated side has a plurality of adhesive elements, adhered to the uncoated side. The coated first side allows the strip to be rolled and easily unrolled because the adhesive elements will not adhere to the coated side.

## **6. Grounds of Rejection to be Reviewed on Appeal**

### **Claims 1, 2, and 4-13**

Each of these claims is rejected only under 35 USC 112, the Examiner alleging, in substance, that there is no support in the specification for the coating of the first side of the merchandising strip to cover the entire surface of the said first side.

## **7. Argument**

Reconsideration is respectfully requested for Claims 1- 2 and 4-13, said claims having been rejected under 35 U.S.C. 112, the Examiner alleging that the language added to Claim 1 in the amendment filed on October 30, 2006, was based upon new matter. This basis for rejection is respectfully traversed.

During a telephone interview conducted on Tuesday morning, April 17<sup>th</sup>, 2007, among Examiner Nasser Ahmad, Mr. Ted Dean and the undersigned attorney for the applicants, there was a discussion of the fact that the accepted dictionary definition of the verb “coat” means that the coating is applied to the entire surface of the object being coated. As represented to the Examiner, this dictionary definition is found in the Oxford Dictionary, published by DK Publishing, Inc. having offices in London, New York, Sidney and Moscow and by the Oxford University Press, having offices in New York and Oxford. This particular dictionary bears a copyright of 1998.

On page 163 of that dictionary, the definition of “coat”, when used as a verb, means to “provide with a layer or covering”. On page 193 of that same dictionary, the definition of “cover” means to “occupy the whole surface of something”. For the convenience of the Board, we have enclosed, in the Evidence Appendix, copies of the cover page of the dictionary, the back page showing the copyright date, and pages 163 and 193 of the dictionary with the relevant portions



highlighted in yellow. Thus, it is respectfully submitted that the disclosure of having a coating on one side of the strip is an exact teaching of the coating being applied to the one side of the strip, in its entirety.

The original disclosure of the specification, the Abstract and the claims are replete with statements concerning the fact that the coating on one side of the strip allows the plastic strip to be “easily rolled up and unrolled” (Claim 3 as originally filed, and now incorporated into Claim 1, lines 7 and 8 of the Abstract, and page 9, lines 11-24 of the specification).

Moreover, this feature of the invention, i.e. “Easily rolled up and unrolled,” is simply not possible without the one side of the strip being coated, in its entirety. Any portion of the coated side having no coating, would stick to the adhesive on the second side of the plastic strip, and thus would prevent, or at least hinder the easy unrolling of the plastic strip.

The silicone coating applied to the one side of the plastic acts as a shield to preclude the adhesive strips from adhering to the adjacent plastic side of the strip. As with any shield, the shield should be co-extensive with the area to be protected. As but one example, one would not design a bullet-proof jacket, such as from Kevlar, having a hole in the jacket over where the heart resides in the chest. If one applies a primer coat of paint, the coating would not be applied to less than the entire surface being painted. For protection purposes, a coated side means just that. If the side were to be just partially coated, that is the language that would have been used.

The concept of the coating covering the entire side of the plastic strip adjacent to the side having the adhesive strips, involves not only common sense, good judgement and sound engineering practices, but also is a classic example of being inherent, addressed in Section 2163.07(a) of the MPEP, which reads as follows:

“By disclosing in a patent application a device that inherently performs a function or

has a property, operates according to a theory or has an advantage, a patent application necessarily discloses that function, theory or advantage, even though it says nothing explicit concerning it. The application may later be amended to recite the function, theory or advantage without introducing prohibited new matter. *In re Reynolds*, 443 F.2d 384, 170 USPQ 94 (CCPA 1971); *In re Smythe*, 480 F. 2d 1376, 178 USPQ 279 (CCPA 1973).”

Based upon the very clear language of the MPEP, and the related Court decisions, Page 9, lines 17 and 19 of the specification were amended on April 17<sup>th</sup>, 2007, to call for the coated side to be coated in its entirety. It is respectfully submitted that this added language does not constitute new matter.

#### **8. Claims Appendix**

See attached Claims Appendix.

#### **9. Evidence Appendix**

See attached Evidence Appendix.

#### **10. Related Proceedings Appendix**

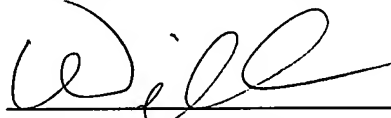
None.

**SUMMARY**

Accordingly, it is respectfully submitted that the specification, as originally filed, inherently supports the language of Claim 1, and that Claims 1-2 and 4-13 are in prima facie condition for allowance.

Oct. 7, 2007  
Date

Respectfully submitted,



William E. Johnson, Jr.

Reg. No. 22,719

MATTHEWS, LAWSON, & BOWICK, PLLC

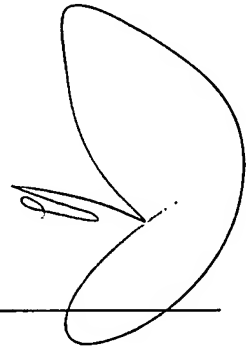
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ATTORNEY DOCKET NO.: TRU-VISION-002

3. (Canceled).

4. (Previously Presented) The merchandising strip according to Claim 1, wherein said coating on said first side is comprised of silicone.

5. (Original) The merchandising strip according to Claim 1, wherein said adhesive elements each have a circular configuration.

6. (Original) The merchandising strip according to Claim 1, wherein said adhesive elements each have a rectangular configuration.

7. (Original) The merchandising strip according to Claim 1, wherein said adhesive elements each have a square configuration.

8. (Original) The merchandising strip according to Claim 1, wherein said adhesive elements each have a triangular configuration.

9. (Original) The merchandising strip according to Claim 1, wherein said adhesive elements each have a pentagonal configuration.

10. (Original) The merchandising strip according to Claim 1, wherein said adhesive elements each have an oval configuration.

11. (Original) The merchandising strip according to Claim 1, wherein said adhesive elements each have a star configuration.

12. (Original) The merchandising strip according to Claim 1, wherein said strip has first and second ends and has a hole near one end of said strip, to allow said strip to be hung vertically for display.

13. (Original) The merchandising strip according to Claim 1, wherein said strip has first and

second ends and has first and second holes, one such hole being near each end of said strip, to allow said strip to be hung vertically for display without regard to the orientation of any such packages attached to said adhesive elements.

14-21. (Canceled).



ATTORNEY DOCKET NO.: TRU-VISION-002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

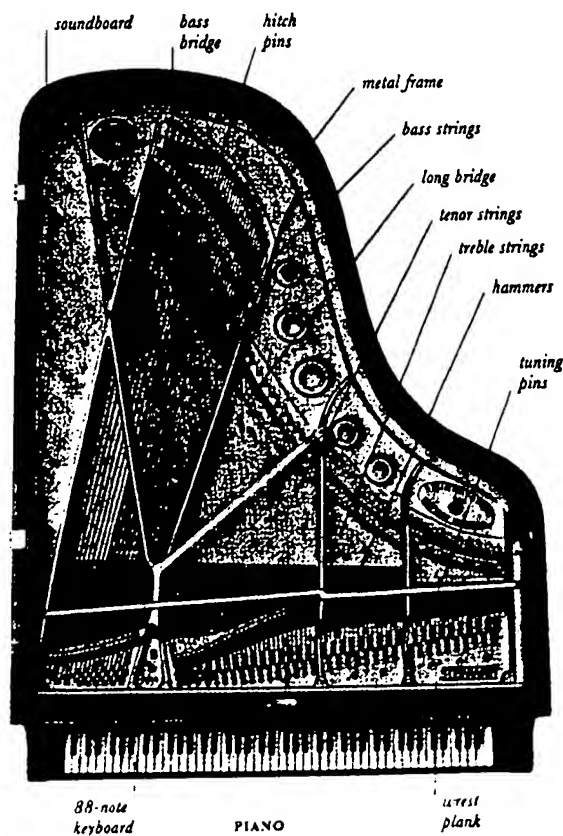
IN RE APPLICATION OF:	§	
TED DEAN, ET AL.	§	EXAMINER: NASSER AHMAD
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**BRIEF TO BOARD OF PATENT APPEALS**  
**AND INTERFERENCES UNDER 37 CFR 41.37**

**9. EVIDENCE APPENDIX**

1. Ex. A - Initial page of the OXFORD DICTIONARY
2. Ex. B - Backside of Ex. A, showing a copyright date of 1998
3. Ex. C - Definition in the OXFORD DICTIONARY of the word "coat"
4. Ex. D - Definition in the OXFORD DICTIONARY of the word "cover"

# DK ILLUSTRATED OXFORD DICTIONARY



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London • New York • Sydney • Moscow

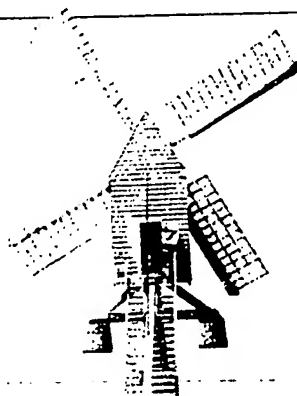
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EXHIBIT

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A





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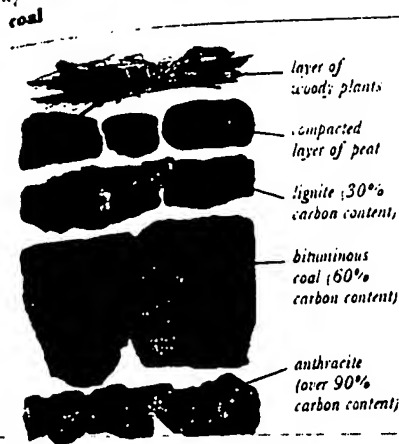
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EXHIBIT

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B



COALS: DIFFERENT STAGES IN THE FORMATION OF COAL

**coal** /kɒl/ *n.* & *v.* **n.** 1 **A** a hard black or blackish rock, mainly carbonized plant matter, found in underground seams and used as a fuel and in the manufacture of gas, tar, etc. **o** **SEDIMENT**. 2 a red-hot piece of coal, wood, etc., in a fire. **o** **u** 1 *intr.* take in a supply of coal. 2 *tr.* put coal into (an engine, fire, etc.). **o** **coals to Newcastle** something brought or sent to a place where it is already plentiful. **haul** (or **call**): **over the coals** reprimand. **oo** **coal-y** *adj.*

**coalesce** /kəleɪs/ *v.* **intr.** 1 come together and form one whole. 2 combine in a coalition. **oo** **co-alescence** *n.* **co-ales-cent** *adj.*

**coalface** /kɒlfays/ *n.* an exposed surface of coal in a mine.

**coalfield** /kɒlfeɪld/ *n.* an extensive area with strata containing coal.

**coalhole** /kɒlhɒl/ *n.* a hole, as from a sidewalk, leading to a coal bin.

**coalition** /kəliʃən/ *n.* 1 **Polit.** a temporary alliance for combined action, esp. of distinct parties forming a government, or of nations. 2 fusion into one whole. **oo** **co-alition-ist** *n.*

**coalman** /kɒlmən/ *n.* (pl. -men) a person who carries or delivers coal.

**coal tar** *n.* a thick, black, oily liquid distilled from coal and used as a source of benzene.

**coaming** /kəmɪŋ/ *n.* a raised border around the hatches, etc., of a ship to keep out water.

**coarse** /kɑːs/ *adj.* 1 a rough or loose in texture or grain; made of large particles. **b** (of a person's features) rough or large. 2 lacking refinement or delicacy; crude; obscene (**coarse humor**). 3 rude; uncivil. 4 inferior; common. **oo** **coarsely** *adv.* **coarseness** *n.* **coarsish** *adj.*

**coarsen** /kɑːsən/ *v.* & *tr.* **intr.** make or become coarse.

**coast** /kɔːst/ *n.* & *v.* **n.** 1 a the border of the land near the sea; the seashore. **b** (the **Coast**) the Pacific coast of the U.S. 2 a run, usu. downhill, on a bicycle without pedaling or in a motor vehicle without using the engine. **b** a toboggan slide or slope. **o** *intr.* 1 ride or move, usu. downhill, without use of power; freewheel. 2 make progress without much effort. 3 slide down a hill on a toboggan or other sled. **o** **the coast is clear** there is no danger of being observed or caught. **oo** **coastal** *adj.*

**coaster** /kəstər/ *n.* 1 a ship that travels along the coast from port to port. 2 a small tray or mat for a glass or glass.

**Coast Guard** /kɔːst ɡɑːrd/ *n.* the U.S. military service that protects coastal waters, aids shipping and pleasure craft, and enforces maritime laws.

**coastline** /kəstlaɪn/ *n.* the line of the seashore, esp. with regard to its shape (a rugged coastline).

**coast-to-coast** *adj., adv.* across an island or continent.

**coat** /kəʊt/ *n.* & *v.* **n.** 1 an outer garment with sleeves and often extending below the hips; an

overcoat or jacket. 2 a an animal's fur, hair, etc. **b** **Physiol.** a structure, esp. a membrane, enclosing or lining an organ. **c** a skin, rind, or husk. **d** a layer of a bulb, etc. 3 a a layer or covering. **b** a covering of paint, etc., laid on a surface at one time. **o** *tr.* 1, usu. foll. by *with, in*; **a** apply a coat of paint, etc., to; provide with a layer or covering. **b** (as **coated** *adj.*) covered with. 2 (of paint, etc.) form a covering to. **oo** **coated** *adj.* also in *comb.*

**coatdress** /kəʊtdres/ *n.* a woman's tailored dress resembling a coat.

**coat hanger** *n.* see **HANGER** 2.

**coati** /kəʊˈti/ *n.* (pl. **coatis**) any raccoonlike, flesh-eating mammal of the genus *Nasua*, with a long, flexible snout and a long, usu. ringed tail.

**coati-mundi** /kəʊˈtiːmʊndi/ *n.* (pl. **coati-mundis**) = **COATI**.

**coating** /kəʊtɪŋ/ *n.* a thin layer or covering of paint, etc.

**coat armor** *n.* coats of arms.

**coat of arms** *n.* the heraldic bearings or shield of a person, family, or corporation.

**coat of mail** *n.* a jacket covered with mail or composed of mail. **o** **conv.** *see* **conv.**

**coat-tail** /kəʊˈteɪl/ *n.* 1 the back flap of a man's jacket or coat. 2 in *pl.* a the back skirts of a dress coat, cutaway, etc. **b** **Polit.** of a party candidate, popularity such as to attract votes for other party candidates.

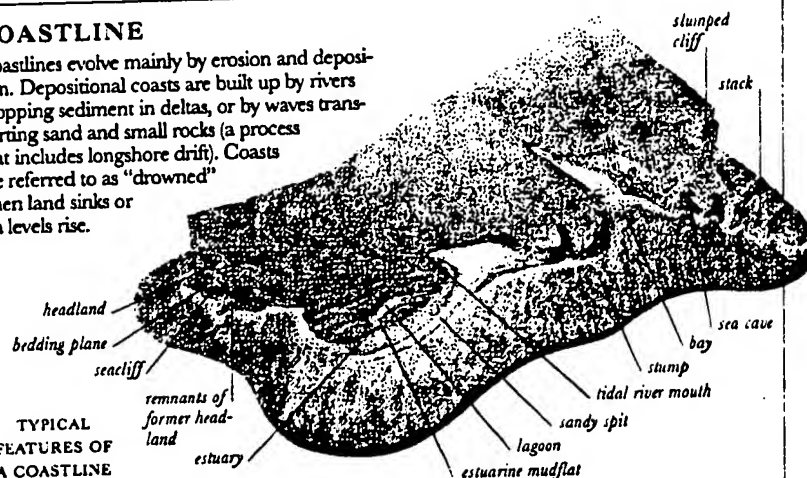
**co-author** /kəʊˈɔːθər/ *n.* & *v.* **n.** a joint author. **o** *tr.* be a joint author of.

**coax** /kəʊks/ *v.* 1, usu. foll. by *into*, or *to* + *infinitive*; persuade (a person) gradually or by flattery. 2; foll. by *out of*; obtain (a thing from a person) by coaxing. 3 manipulate (a thing) carefully or slowly. **oo** **coaxer** *n.* **coaxingly** *adv.*

**coaxial** /kəʊˈkʃiəl/ *adj.* 1 having a common axis. 2 **Electr.** of a cable or line) transmitting by means of two concentric conductors separated by an insulator. **oo** **co-axially** *adv.*

## COASTLINE

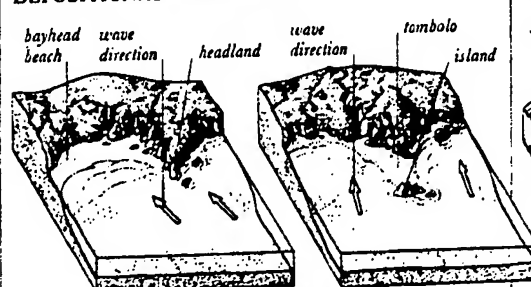
Coastlines evolve mainly by erosion and deposition. Depositional coasts are built up by rivers dropping sediment in deltas, or by waves transporting sand and small rocks (a process that includes longshore drift). Coasts are referred to as "drowned" when land sinks or sea levels rise.



TYPICAL FEATURES OF A COASTLINE

## MAIN TYPES OF COASTLINE

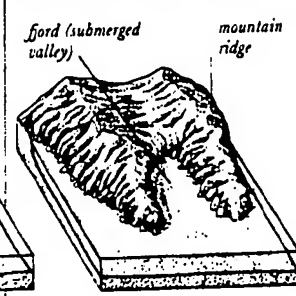
### DEPOSITIONAL COASTLINES



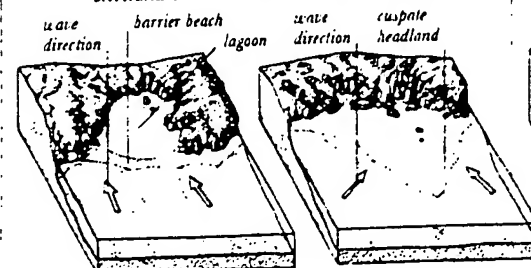
BAYHEAD BEACH

TOMBOLO

### DROWNED COASTLINES

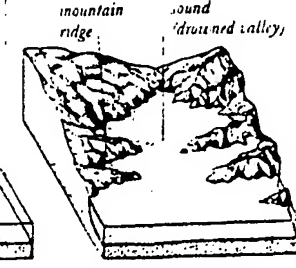


FJORD COASTLINE



BARRIER BEACH

CUSPATE HEADLAND



DALMATIAN/PACIFIC COASTLINE

court

**court** /kɔːrt/ *n.* 1 (in full **court of law**) a judge or assembly of judges or other persons sitting as a tribunal in civil and criminal cases. 2 an enclosed quadrangular area for games, which may be open or covered (tennis court, squash court). 3 a small enclosed street in a town, having a yard surrounded by houses, and adjoining a larger street. 4 the name of a large house, block of apartments, street, etc. (Grassano Court). 5 a subdivision of a building, usu. a large hall extending to the ceiling with galleries and staircases. 6 a the establishment, retinue, and courtiers of a sovereign. b a sovereign and his or her counselors, constituting a ruling power. c a sovereign's residence. d an assembly held by a sovereign; a state reception. 5 attention paid to a person whose favor, love, or interest is sought (paid court to her). 6 a the qualified members of a company or a corporation. c a meeting of a court. 6 *u.t.* 1 a try to win the affection or favor of (a person). b pay amorous attention to (courtship couples). 2 seek to win (applause, fame, etc.). 3 invite (misfortune) by one's actions (you are courting disaster). 4 go to court take legal action. in court appearing as a party or an advocate in a court of law. out of court 1 (of a plaintiff) not entitled to be heard. 2 before a hearing or judgment can take place. 3 not worthy of consideration (that suggestion is out of court).

**court card** *n.* Brit. = FACE CARD.

**courteous** /kɔːtɪəs/ *adj.* polite, kind, or considerate. *cc* **courteously** *adv.* **courteousness** *n.*

**courtesan** /kɔːrtɪzən/ *n.* literary a prostitute, esp. one with wealthy or upper-class clients.

**courtesy** /kɔːrtiː/ *n.* (pl. *-ies*) 1 courteous behavior. 2 a courteous act. 3 by courtesy by favor, not by right. 4 by courtesy of with the formal permission of (a person, etc.).

**courtesy light** *n.* a light in a car that is switched on by opening a door.

**court house** /kɔːrtˈhaʊs/ *n.* 1 a building in which a judicial court is held. 2 a building containing the administrative offices of a county.

**courtier** /kɔːrtɪər/ *n.* a person who attends or frequents a sovereign's court.

**courtly** /kɔːrtli/ *adj.* (courtlier, courtliest) 1 polished or refined in manners. 2 obsequious. 3 punctilious. *cc* **courtliness** *n.*

**court-martial** /kɔːrtˈmɑːrʃəl/ *n.* & *u.t.* *pl.* **courts-martial** a judicial court for trying members of the armed services. *u.t.* try by a court-martial.

**court order** *n.* a direction issued by a court or a judge, usu. requiring a person to do or not do something.

**court reporter** *n.* a stenographer who makes a written record and transcription of the proceedings in a court of law.

**courtroom** /kɔːrtˈruːm, -rɒm/ *n.* the place or room in which a court of law meets.

**courtship** /kɔːrtʃɪp/ *n.* 1 a courting with a view to marriage. 2 the courting behavior of male

animals, birds, etc. 2 a period of courting. 2 an attempt, often protracted, to gain advantage by flattery; attention, etc.

**courtyard** /kɔːrtjɑːd/ *n.* an area enclosed by walls or buildings, often opening off a street.

**cous-cous** /kɔːskɔːs/ *n.* 1 a type of N. African semolina in granules made from crushed durum wheat. 2 a spicy dish of this, usu. with meat or fruit added.

**cous-in** /kúzn/ *n.* 1 (also **first cousin**, **cous-in-german**, *pl.* **cousins-german**) the child of one's uncle or aunt. 2 (usu. in *pl.*) applied to the people of kindred races or nations (our British cousins). *cc* **cous-in-hood** *n.* **cousinly** *adj.* **cous-in-ship** *n.*

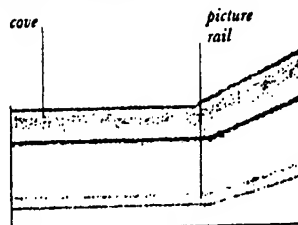
**couture** /kúːtʊr, -tɜː/ *n.* the design and manufacture of fashionable clothes; = HAUTE COUTURE.

**couturier** /kúːtʊəri-er, -eər/ *n.* (fem. **couturière** /-reəriə/) a fashion designer or dressmaker.

**covalent** /kóvələnt/ *adj.* Chem. 1 of or designating chemical bonds formed by the sharing of electrons by two atoms in a molecule. *cc* **covalence** *n.* **covalency** *n.* **covalently** *adv.*

**covalent bond** *n.* Chem. a bond formed by sharing of electrons, usu. in pairs by two atoms in a molecule. > ALKANE

**cove** /kóv/ *n.* & *u.t.* 1 a small, esp. sheltered, bay or creek. 2 a sheltered recess. 3 *Archit.* 1 a concave arch or arched molding, esp. one formed at the junction of a wall with a ceiling. *u.t.* *Archit.* 1 provide (a room, ceiling, etc.) with a cove. 2 slope (the sides of a fireplace) inward.



COVE

**coven** /kúvən/ *n.* an assembly of witches.

**covenant** /kúvənənt/ *n.* & *u.t.* 1 an agreement; a contract. 2 *Law* a contract drawn up under a seal, esp. undertaking to make regular payments to a charity. 3 (Covenant) *Bibl.* the agreement between God and the Israelites (see *BOOK OF THE COVENANTS*). *u.t.* & *intr.* agree, esp. by legal covenant. *cc* **covenantal** /-nántl/ *adj.* **covenantor** *n.* **covenanter** *n.*

**cover** /kúvər/ *v.* & *n.* *u.t.* 1 a (often foll. by *with*) protect or conceal by means of a cloth, lid, etc. b prevent the perception or discovery of; conceal (to cover my embarrassment). 2 a extend over; occupy the whole surface of (covered in dirt; covered with writing). b (often foll. by *with*) strew thickly or thoroughly (covered the floor with straw). c lie over; be a covering to (the blanket scarcely covered him). 3 a protect; clothe. b (as covered *adj.*) wearing a hat; having a roof. 4 include; comprise; deal with (the talk covered recent discoveries). 5 travel (a specified distance) (covered sixty miles). 6 *Journalism* a report (events, a meeting, etc.). b investigate as a reporter. 7 be enough to defray (expenses, a bill, etc.). 8 a *refl.* take precautionary measures so as to protect oneself (had covered myself by saying I might be late). b *absol.* foll. by *for* deputize or stand in for (a colleague, etc.) (will you cover for me?). 9 *Mil.* a aim a gun, etc., at. b (of a fortress, gun, etc.) command (a territory). c stand behind (a person in the front rank). d protect (an exposed person, etc.) by being able to return fire. 10 also

*absol.* in some card games, play a card higher than one already played to the same trick. 11 (of a stallion, a bull, etc.) copulate with. *cc* *n.* 1 something that covers or protects, esp.: a a lid. b the binding of a book. c either board of this. d an envelope or the wrapping of a mailed package (under separate cover). e the outer case of a pneumatic tire. f (in *pl.*) bedclothes. 2 a hiding place; a shelter. 3 woods or undergrowth sheltering game or covering the ground (see *COVER* *n.* 1). 4 a a pretense; a screen (under cover of humility). b a spy's pretended identity or activity. c *Mil.* a supporting force protecting an advance party from attack. 5 a place setting at table, esp. in a restaurant. 6 *break cover* (of game or a hunted person) leave a place of shelter, esp. vegetation. **cover in** provide with a roof, etc. **cover one's tracks** conceal evidence of what one has done. **cover up** 1 completely cover or conceal. 2 conceal (circumstances, etc., esp. illicitly) (also *absol.* refused to cover up for them). **from cover to cover** from beginning to end of a book, etc. **take cover** use a natural or prepared shelter against an attack.

**coverage** /kúvərɪj/ *n.* 1 an area or an amount covered. 2 *Journalism* the amount of press, etc., publicity received by a particular story, person, etc. 3 a risk covered by an insurance policy. 4 an area reached by a particular broadcasting station or advertising medium.

**cover-all** /kúvərɔːl/ *n.* & *adj.* *cc* *n.* 1 something that covers entirely. 2 (usu. in *pl.*) a full-length protective outer garment often zipped up the front. *cc* *attrib. adj.* covering entirely (a coverall term).

**cover charge** *n.* an extra charge levied per head in a restaurant, nightclub, etc.

**cover girl** *n.* a female model whose picture appears on magazine covers, etc.

**covering** /kúvərɪŋ/ *n.* something that covers, esp. a bedspread, blanket, etc., or clothing

**covering letter** *n.* = COVER LETTER.

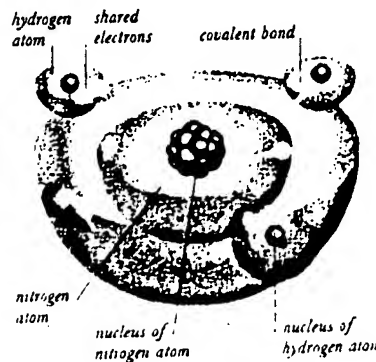
**coverlet** /kúvərɪlt/ *n.* a bedspread.

**cover letter** *n.* (also **covering letter**) an explanatory letter sent with an enclosure.

**cover story** *n.* a news story in a magazine, that is illustrated or advertised on the front cover.

## COVALENT

Covalent compounds are made up of molecules whose atoms are held together by covalent bonds. For example, an ammonia molecule is made up of three hydrogen atoms and one nitrogen atom. Each covalent bond consists of two shared electrons - one from the nitrogen atom and one from a hydrogen atom.

COVALENT BONDS IN AN AMMONIA MOLECULE (NH<sub>3</sub>)